Rev. B+

System Board User's Manual
Carte Mère Manuel Pour Utilisateur
System-Platine Benutzerhandbuch
Manual del Usuario de Placas Base
Ðóêîâîäñòâî Ïîëüçîâàòåëÿ

935-865PE8-100
76330403

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Caution

To avoid damage to the system:

- Use the correct AC input voltage range.

To reduce the risk of electric shock:

- Unplug the power cord before removing the system chassis cover for installation or servicing. After installation or servicing, cover the system chassis before plugging the power cord.

Battery:

- Danger of explosion if battery incorrectly replaced.
- Replace only with the same or equivalent type recommend by the manufacturer.
- Dispose of used batteries according to the battery manufacturer's instructions.

Joystick or MIDI port:

- Do not use any joystick or MIDI device that requires more than 10A current at 5V DC. There is a risk of fire for devices that exceed this limit.

FCC and DOC Statement on Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables must be used in order to comply with the emission limits.

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The user's manual in the provided CD contains detailed information about the system board. If, in some cases, some information doesn't match those shown in this manual, this manual should always be regarded as the most updated version.

Le manuel d'utilisateur dans le CD muni contient renseignement détaillé au sujet de carte de système. Si, en quelque cas, quelque renseignement n'appareille de ce que dit dans ce manuel, ce manuel doit toujours être considéré comme la plus nouvelle version.

Das Benutzerhandbuch in der angebotenen CD enthält detaillierte Informationen über die Hauptplatine. Wenn in manchen Fällen manche Informationen nicht denjenigen Informationen dargestellt in diesem Handbuch entsprechen, soll dieses Handbuch als die meist aktualisierte Ausgabe gelten.

El uso explicativo contene información detalle sobre la sistema board en el CD preparativo. Si en algún caso, la información no es igual con el uso explicativo, necesita ver el uso explicativo, esque es más nuevo.

Â ðóêîâîäñòâå ïîêëþ÷åíèþ íà ïðåäîñòàâëÿåìîì CD äèñêå ñîäåðæèòñÿ ïîäðîáíàÿ èíôîðìàöèÿ î ìàòåðèíñêîé ïëàòå. Ëþáàÿ íàïå÷àòàííàÿ ðóêîâîäñòâî ìîæåò íå ñîâïàäàòü ðóêîâîäñòâî ì íà CD, òàê êàê ïîñëåäíåå íàèáîëåå ÷àñòî îáíîâëÿåòñÿ è ÿâëÿåòñÿ ñàìûì ñâåæèì.

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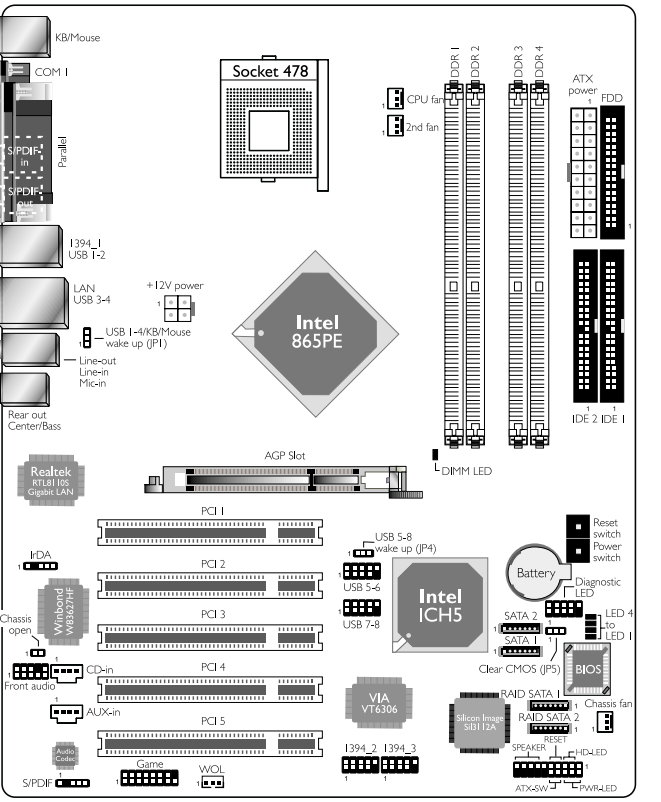
Chapter 1 - Quick Setup Guide

1.1 System Board Layout



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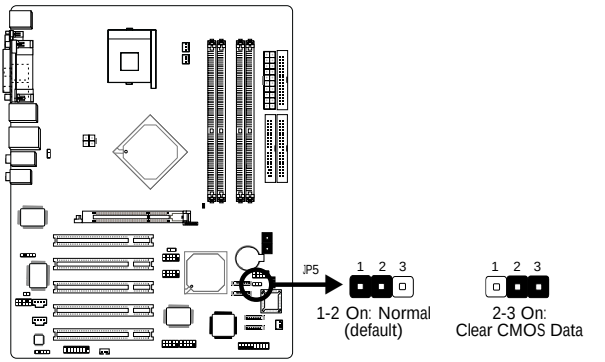
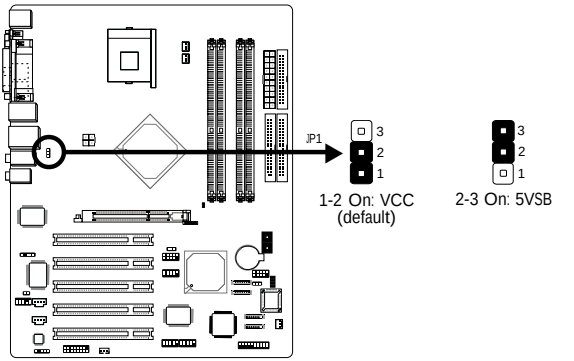
1.2 Jumpers

1.2.1 Clear CMOS Data



1.2.2 PS/2 Keyboard/Mouse Power Select



If you are using the Wake-On-PS/2 Keyboard/Mouse function, the 5VSB power source of your power supply must support ≥720mA.

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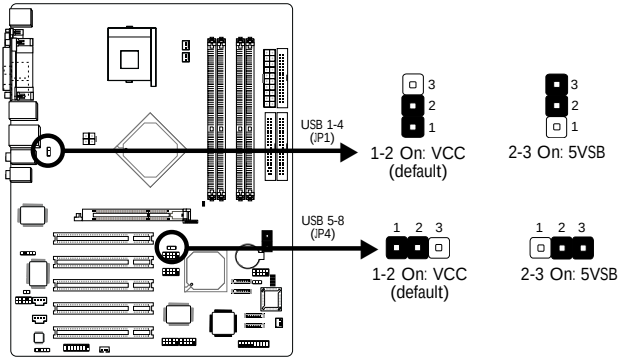
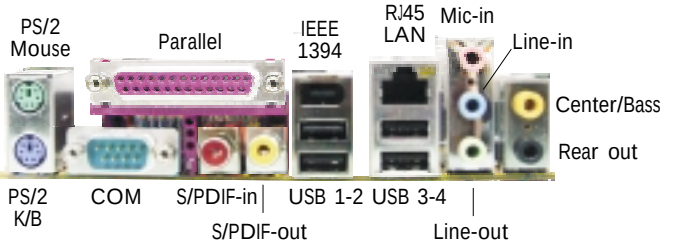
1.2.3 USB Power Power Select



If you are using the Wake-On-USB Keyboard function for 2 USB ports, the 5VSB power source of your power supply must support ≥1.5A.

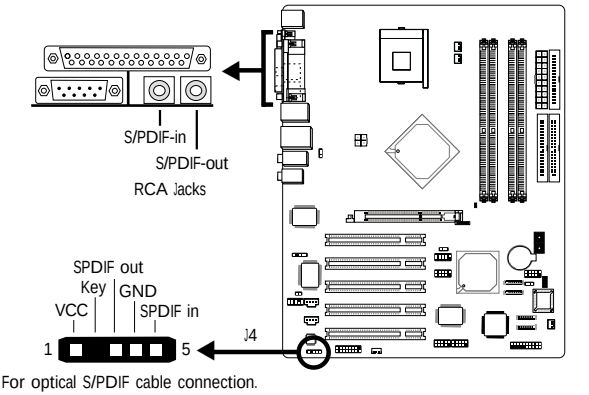
If you are using the Wake-On-USB Keyboard function for 3 or more USB ports, the 5VSB power source of your power supply must support ≥2A.

1.3 Rear Panel I/O Ports



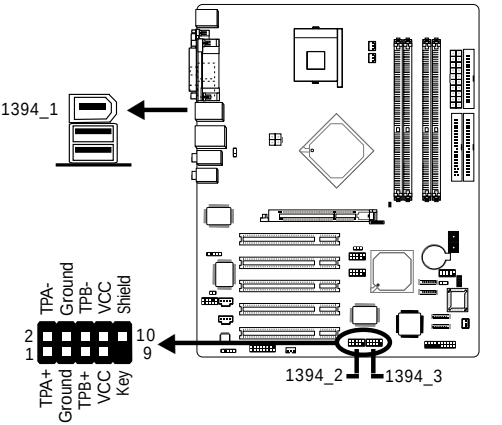
1.4 I/O Connectors

1.4.1 S/PDIF-in/out



For optical S/PDIF cable connection.

1.4.2 IEEE 1394



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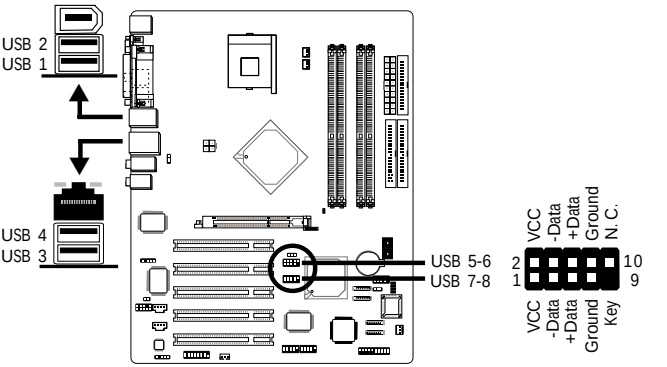
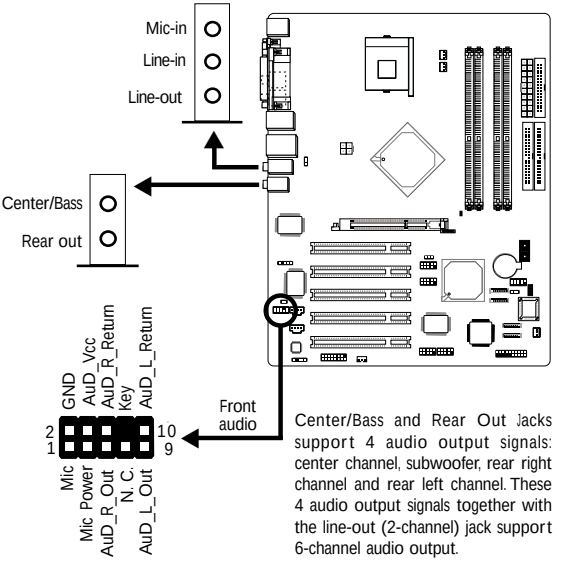
1.4.3 USB

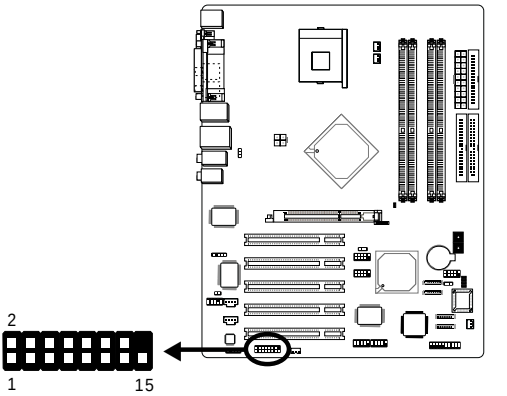


1.4.4 Audio

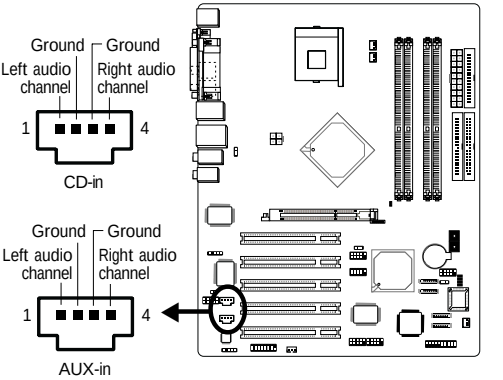


Center/Bass and Rear Out jacks support 4 audio output signals: center channel, subwoofer, rear right channel and rear left channel. These 4 audio output signals together with the line-out (2-channel) jack support 6-channel audio output.

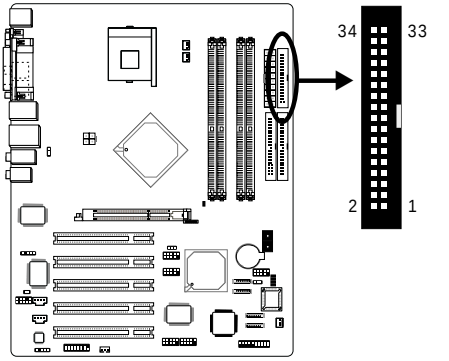
1.4.5 Game



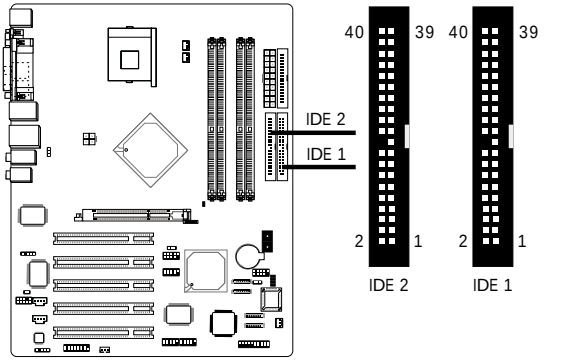
1.4.6 Internal Audio Connectors



1.4.7 Floppy Disk Drive Connector



1.4.8 IDE Disk Drive Connectors



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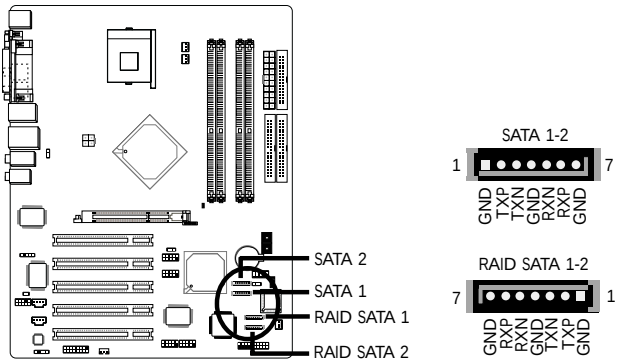
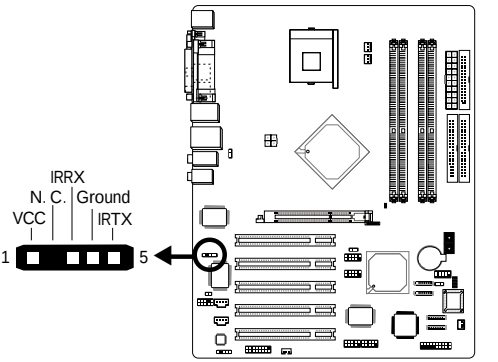
1.4.9 Serial ATA Connectors



The Silicon Image Sil3112A chip allows configuring RAID on SATA drives. It supports RAID 0 and 1. Refer to the Silicon Image RAID User's Manual for more information about configuring RAID. The manual is included in the CD.

1.4.10 IrDA Connector



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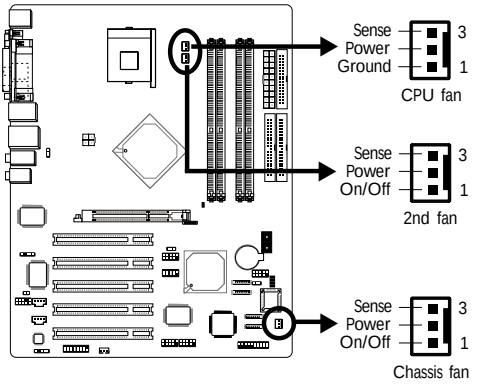
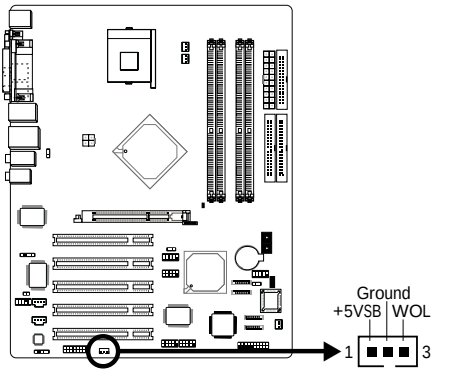
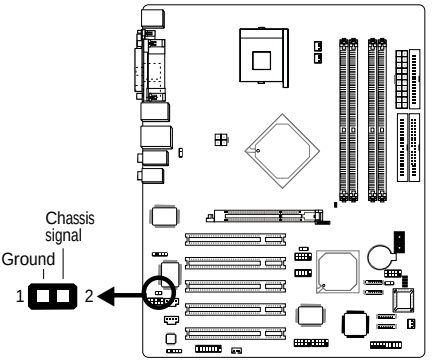
1.4.11 Fan Connectors



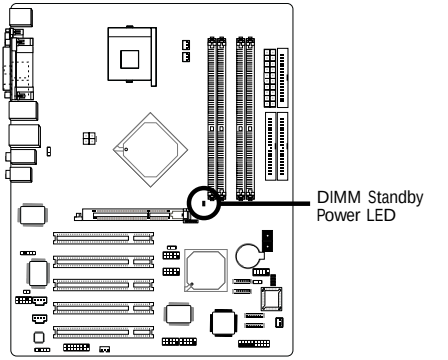
1.4.12 Wake-On-LAN Connector



1.4.13 Chassis Open Alarm Connector

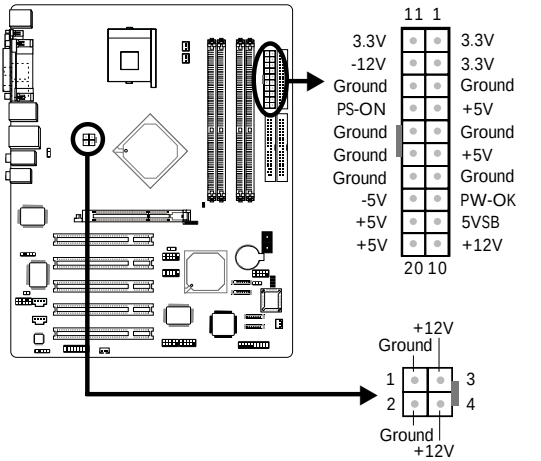


1.4.14 DIMM Standby Power LED



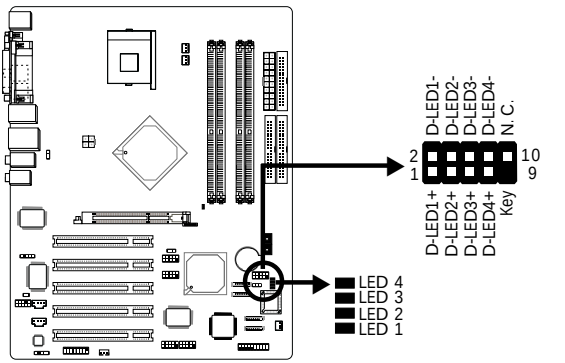
If the DIMM Standby Power LED is lighted, you must power-off the system then turn off the power supply's switch or unplug the power cord prior to installing any memory modules.

1.4.15 Power Connectors



The system board requires a minimum of 250 Watt power supply to operate. Your system configuration (amount of memory, add-in cards, peripherals, etc.) may exceed the minimum power requirement. To ensure that adequate power is provided, use a 300 Watt (or greater) power supply.

1.4.16 Diagnostic LEDs



	LED 1	LED 2	LED 3	LED 4
Starts E0 POST test.	On	Off	Off	Off
Testing memory presence.	Off	On	Off	Off
Detected first 256KB memory.	On	On	Off	Off
No memory present.	Off	Off	On	Off
Programming DRAM timing register.	On	Off	On	Off
Calculating DRAM size variable including row, column and bank.	Off	On	On	Off
Initializing JEDEC of current DRAM row.	On	On	On	Off
Checking CMOS checksum and battery.	Off	Off	Off	On
Initializing the clock generator.	On	Off	Off	On
Initializing USB.	Off	On	Off	On
Testing all memory (cleared all extended memory to 0).	On	On	Off	On
Initializing the onboard Super IO.	Off	Off	On	On
Detecting and installing an IDE device.	On	Off	On	On
Final initialization.	Off	On	On	On
Booting the system.	On	On	On	On

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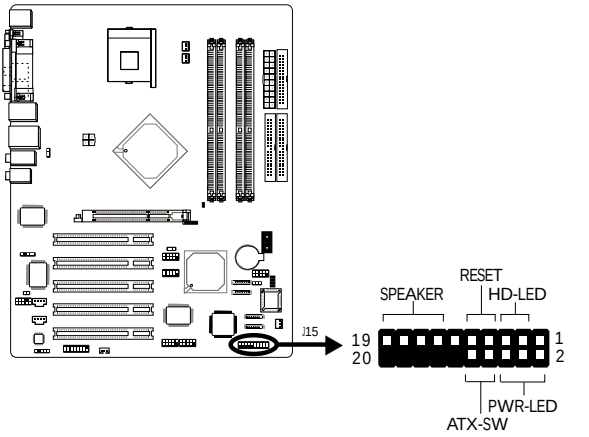
1.4.17 Front Panel Connectors



	Pin	Pin Assignment
HD-LED (Primary/Secondary IDE LED)	3 5	HDD LED Power HDD
Reserved	14 16	N. C. N. C.
ATX-SW (ATX power switch)	8 10	PWRBT+ PWRBT-
Reserved	18 20	N. C. N. C.
RESET (Reset switch)	7 9	Ground H/W Reset
SPEAKER (Speaker connector)	13 15 17 19	Speaker Data N. C. Ground Speaker Power
PWR-LED (Power/Standby LED)	2 4 6	LED Power (+) LED Power (+) LED Power (-) or Standby Signal

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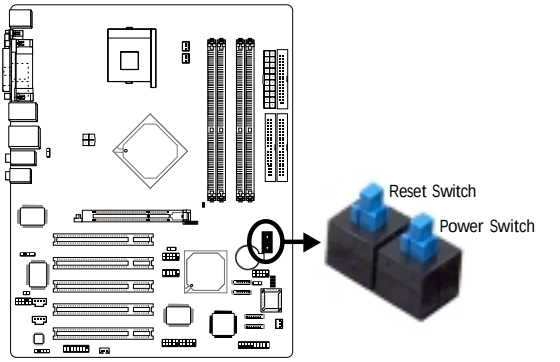
1.4.18 EZ Touch Switches (Reset Switch and Power Switch)



The presence of the reset switch and power switch on the system board are user-friendly especially to DIY users. They provide convenience in powering on and/or resetting the system while fine tuning the system board before it is installed into the system chassis.

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Chapter 2 - English

2.1 Features and Specifications

Processor

- Intel® Pentium® 4 Processor with Hyper-Threading Technology
  - 800MHz/533MHz system data bus
  - Supports speeds up to 3.2GHz+
- Intel® Pentium® 4 Northwood processor
  - 533MHz/400MHz system data bus
- Intel® Celeron® Northwood processor
  - 400MHz system data bus

Chipset

- Intel® 865PE chipset
  - Intel® 865PE (MCH)
  - Intel® 82801EB (ICH5)

System Memory

- Supports four 184-pin DDR DIMM sockets
- Supports dual channel (128-bit wide) memory interface
  - Each channel supports 2 DIMM sockets
- Supports up to 4GB system memory
- Synchronous operation with processor system bus
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) with 800MHz FSB CPU. DDR333 will run at 320MHz memory frequency when used with 800MHz FSB CPU.
  - Use PC2100/PC2700 (DDR266/DDR333) with 533MHz FSB CPU
  - Use PC2100 (DDR266) with 400MHz FSB CPU
- Supports non-ECC (x64) DIMM using 128Mb, 256Mb or 512Mb
- Supports unbuffered DIMMs

BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play compatible

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- Genie BIOS provides:
  - CPU/DRAM overclocking
  - AGP/PCI/SATA overclocking
  - CPU/DIMM/AGP overvoltage
- Supports SCSI sequential boot-up
- Supports DMI 2.0 function
- 4Mbit flash memory

Energy Efficient Design

- ACPI STR (Suspend to RAM) function
- Wake-On-PS/2 Keyboard/Mouse
- Wake-On-USB Keyboard
- Wake-On-Ring
- Wake-On-LAN
- RTC timer to power-on the system
- AC power failure recovery

System Health Monitor Functions

- Monitors CPU/system temperature and overheat alarm
- Monitors CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V voltages and failure alarm
- Monitors the speed of the CPU, chassis and 2nd fans and failure alarm
- Automatic chassis fan and 2nd fan on/off control
- Read back capability that displays temperature, voltage and fan speed
- Opened chassis alarm
- CPU Fan Protection function monitors the CPU fan during system boot-up
- CPU Temperature Protection function monitors CPU temperature during system boot-up

Onboard Audio Features

- 20-bit stereo full-duplex codec with independent variable sampling rate
- High quality differential CD input
- True stereo line level outputs
- S/PDIF-in/out interface
- 6-channel audio output

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Onboard Gigabit LAN PCI

- Realtek RTL8110S Gigabit LAN PCI controller
- Integrated power management functions
- Full duplex support at both 10, 100 and 1000 Mbps
- Supports IEEE 802.3u auto-negotiation
- Supports wire for management

SATA IDE Interface with RAID

- Silicon Image Sil3112A PCI to Serial ATA controller
- Supports two SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)
- Supports RAID 0 and RAID 1

IEEE 1394 Interface

- VIA VT6306 PCI 1394 integrated host controller
- Supports three 100/200/400 Mb/sec ports

PCI Bus Master IDE Controller

- Supports ATA/33, ATA/66 and ATA/100 hard drives
- PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- Supports ATAPI CD-ROM, LS-120 and ZIP

Processor Socket

- Socket 478

AGP (Accelerated Graphics Port)

- Supports AGP 3.0 (AGP 4x and 8x) and AGP 2.0 (AGP 1x and 4x)
- Supports 1.5V AGP 8x (2.13GB/sec.) and AGP 4x (1066MB/sec.) add-in cards. AGP 2x and 3.3V AGP card are not supported.

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Rear Panel I/O Ports (PC 99 color-coded connectors)

- 1 PS/2 mouse port
- 1 PS/2 keyboard port
- 1 DB-9 serial port
- 1 DB-25 parallel port
- 4 USB 2.0/1.1 ports
- 1 IEEE 1394 port
- 1 RJ45 LAN port
- 2 S/PDIF RCA jacks (S/PDIF-in and S/PDIF-out)
- 3 audio jacks: line-out, line-in and mic-in
- 2 audio jacks for center/bass and rear out

I/O Connectors

- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 2 connectors for 2 external IEEE 1394 ports
- 1 front audio connector for external line-out and mic-in jacks
- 1 connector for an external game/MIDI port
- 2 internal audio connectors (CD-in and AUX-in)
- 1 S/PDIF connector for optical cable connection
- 1 connector for IrDA interface
- 4 Serial ATA connectors
- 2 IDE connectors
- 1 floppy connector
- 2 ATX power connectors (20-pin and 4-pin 12V)
- 1 Wake-On-LAN connector
- 1 opened chassis alarm connector
- CPU fan, chassis fan and 2nd fan connectors
- 1 diagnostic LED connector for 4 external diagnostic LEDs display
- EZ touch switches (power switch and reset switch)

Expansion Slots

- 1 AGP slot
- 5 PCI slots

Compatibility

- PCI 2.2 and AC '97 compliant
- Intel AGP version 3.0

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2.2 CMOS Reloaded

CMOS Reloaded is a technology that allows storing multiple user-defined configurations by using the BIOS utility to save, load and name the configurations. This is especially useful to overclockers who require saving a variety of overclocked configurations and being able to conveniently switch between these configurations simultaneously. Select CMOS Reloaded in the main menu of the Award BIOS then press <Enter>.

You can save up to 4 configurations - in the "User Define Config 1" to "User Define Config 4" fields..

Saving a Configuration

After you have made the proper settings, move the cursor to "Backup" of "User Define Config 1" then press <Enter>.

Restoring a Configuration

To restore one of the previously saved configurations, move the cursor to "Load" of "User Define Config 1" then press <Enter>.

Renaming a Configuration

The default name given in the "User Define Config 1" field is "Config 1". To rename, move the cursor to "Rename" then press <Enter>. You can enter up to 16 characters.

To save another configuration, repeat the procedures above but this time, in the "User Define Config 2" field.

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2.3 Super Patch

Super Patch is a memory acceleration technology that performs direct data transfer between the CPU and system memory. This significantly shortens latency time and provides improved system performance.

2.4 Package Checklist

The system board package contains the following items:

- ☑ One LANPARTY 865PE system board
- ☑ One LANPARTY 865PE user's manual
- ☑ One LANPARTY Features user's manual
- ☑ One LANPARTY 865PE quick installation guide
- ☑ One IDE round cable
- ☑ One floppy round cable
- ☑ Two serial ATA data cables
- ☑ One serial ATA power cable
- ☑ One card-edge bracket mounted with a game/MIDI port
- ☑ One card-edge bracket mounted with IEEE 1394 port
- ☑ One PC Transpo kit
- ☑ One FrontX device equipped with:
  - Two USB 2.0/1.1 ports
  - One IEEE 1394 port
  - One line-out jack
  - One mic-in jack
  - Four diagnostic LEDs
- ☑ One I/O shield
- ☑ One thermal paste
- ☑ One LANPARTY sticker
- ☑ One case badge
- ☑ One pack of jumper caps (five 2.54mm jumper caps)
- ☑ One "Silicon Image Sil3112A RAID Drivers" diskette
- ☑ One "Mainboard Utility" CD
- ☑ One "WinDVD/WinRIP Utility" CD

If any of these items are missing or damaged, please contact your dealer or sales representative for assistance.

Please refer to the LANPARTY Features manual for more information about the FrontX device.

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Chapter 3 - Français

3.1 Caractéristiques et Spécifications

Processeur

- Les processeurs Intel® Pentium® 4 avec la Technologie Hyper-Threading
  - 800MHz/533MHz vitesse du bus
  - Support de 3.2GHz+
- Processeur Intel® Pentium® 4 Northwood
  - 533MHz/400MHz vitesse du bus
- Processeur Intel® Celeron® Northwood
  - 400MHz vitesse du bus

Chipset

- Intel® 865PE chipset
  - Intel® 865PE (MCH)
  - Intel® 82801EB (ICH5)

Mémoire Système

- 4 sockets DDR SDRAM DIMM 184 broches
- Support d'interface de la mémoire à deux canaux (128-bit)
  - Chaque canal supporte 2 sockets DIMM
- Support de 4GB de mémoire système
- Opération synchrone avec le bus système du processeur
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) avec un processeur à 800MHz de FSB. La DDR333 peut marcher à 320MHz de fréquence de mémoire si utilisée avec un processeur à 800MHz de FSB.
  - Utilisez la PC2100/PC2700 (DDR266/DDR333) avec un processeur à 533MHz de FSB
  - Utilisez la PC2100 (DDR266) avec un processeur à 400MHz de FSB
- Support des barrettes DIMM ECC/non-ECC
- Support des barrettes DIMM sans tampon

BIOS

- Compatible avec Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play

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- Genie BIOS:
  - Overclocking de CPU/DRAM
  - Overclocking de AGP/PCI/SATA
  - Contrôle du voltage de CPU/DIMM/AGP
- Supporte l'amorçage séquentiel SCSI
- Supporte la fonction DMI 2.0
- Mémoire Flash 4Mbit

Design à Haut Rendement Énergétique

- ACPI STR (Suspend to RAM) fonction
- Réveil-Sur-PS/2 Clavier/Souris
- Eveil Clavier USB
- Eveil Sonnerie
- Réveil Par Le Réseau
- Minuterie RTC pour allumer le système
- Récupération après Défaillance d'Alimentation CA

System Health Monitor Fonctions

- Gère l'alarme de température et de surchauffe de CPU/ système
- Gère l'alarme de voltage et d'échec de CPU/1.5V/5VSB/VBAT/ 3.3V/5V/±12V
- Gère la vitesse de ventilateur du ventilateur de CPU, chassis et second; et alarme de défaillance.
- Contrôle automatique de ventilateur de chassis/second et marche/arrêt de ventilateur
- Capacité de relecture qui affiche la température, le voltage et la vitesse de ventilateur
- Alarme de châssis ouvert
- La Fonction de la Defense du Ventilateur de Processeur observe le travail du ventilateur pendant le chargement du système
- La Fonction de Defense du Processeur de la Surchauffe observe la temperature du processeur pendant le chargement du système

Caractéristiques Audio sur Carte

- Codec full-duplex 20 bits stéréo avec fréquence d'échantillonnage variable indépendante
- Entrée CD différentielle de haute qualité

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- Sorties de niveau de lignes stéréo vraies
- Interface entrée/sortie S/PDIF
- Sortie audio 6-canaux

Fonctionnalités Onboard Gigabit LAN PCI

- Utilise le contrôleur Realtek RTL8110S Gigabit LAN PCI
- Fonctions de gestion d'alimentation intégrées
- Support Full duplex à 10, 100 et 1000 Mbps
- Supporte l'auto négociation IEEE 802.3u
- Support câble pour la gestion

Interface SATA IDE/RAID

- Silicon Image Sil3112A PCI - Serial ATA contrôleur
- Deux interfaces SATA (Serial ATA) compatibles avec la spécification SATA 1.0 (interface1.5Gbps)
- Support RAID 0 et 1

Interface IEEE 1394

- VIA VT6306 PCI 1394 contrôleur
- Supporte trois ports 100/200/400 Mb/séc

Contrôleur IDE de BUS Maître PCI

- Supporte des disques durs ATA/33, ATA/66 et ATA/100
- IDE Améliorés Mode 4 PIO (vitesse de transfert de données allant jusqu'à 14Mo/sec.)
- La gestion de Bus réduit l'utilisation du CPU pendant les transferts sur disque
- Supporte les CD-ROM ATAPI, LS-120 et ZIP

Socket Processeur

- Socket 478

AGP (Accelerated Graphics Port)

- Soutien des spécifications AGP 3.0 (AGP 4x et 8x) et AGP 2.0 (AGP 1x et 4x)
- Soutien des cartes supplémentaires 1.5V AGP 8x (2.13GB par seconde) et AGP 4x (1066MB par seconde). Les cartes AGP 2x et 3.3V AGP ne sont pas soutenues.

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Le Panneau des Ports Entrée/Sortie en Arrière

- 1 port souris PS/2
- 1 port clavier PS/2
- 1 port de DB-9 série
- 1 port parallèle DB-25
- 4 ports USB 2.0/1.1
- 1 IEEE 1394 port
- 1 port RJ45 LAN
- 2 S/PDIF RCA prises (S/PDIF-in et S/PDIF-out)
- 3 prises audio: line-out, line-in et mic-in
- 2 prises audio: center/bass et rear out

Connecteurs Entrée/Sortie

- 2 connecteurs pour 4 ports USB 2.0/1.1 supplémentaires
- 2 connecteurs pour 2 IEEE 1394 externe
- 1 connecteur audio de l'avant pour la sortie ligne et l'entrée micro
- 1 connecteur pour 1 game/MIDI externe
- 2 connecteurs CD-in et AUX-in audio internes
- 1 S/PDIF l'assemblage pour l'adjonction de câble optique
- 1 connecteur pour interface IrDA
- 4 connecteurs Serial ATA
- 2 connecteurs IDE
- 1 connecteur de lecteur de disquettes
- 2 connecteurs d'alimentation ATX
- 1 connecteur Wake-On-LAN
- Connecteur d'alarme de châssis ouvert
- Connecteurs de ventilateurs de CPU, de châssis et de second ventilateur
- Un assemblage pour 4 exterieurs indicateurs diagnostiques
- EZ interrupteurs (bouton de power et reset)

Logements d'Extension

- 1 slot AGP et 5 slots PCI

Compatibilité

- Compatible PCI 2.2 et AC'97
- Intel AGP version 3.0

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3.2 CMOS Reloaded

CMOS Reloaded permet de sauvegarder de plusieures configurations de BIOS définies par l'utilisateur et de les charger et renommer. Cette fonction est très utile aux overclockeurs, qui ont besoin de sauvegarder des configurations différentes et de les commuter rapidement. Choisissez CMOS Reloaded dans le menu principal de Award BIOS et pressez <Enter>. Vous pouvez garder pas plus de 4 configurations – dans "User Define Config 1" jusqu'à "User Define Config 4".

La Conservation de la Configuration

Après finir tout installation necessaire, passez sur "Backup" dans "User Define Config 1" et pressez <Enter>.

La Restitution de la Configuration

Pour restituer les configurations gardees passez sur "Load" dans "User Define Config 1" et pressez <Enter>.

Le Changement de Nom de la Configuration

Le système donne le nom "Config 1" à ce qu'on a gardé dans "User Define Config 1". Pour changer le nom de ce que vous gardez passez sur "Rename" et pressez <Enter>. Vous pouvez introduire jusqu'aux 16 symboles. Pour garder la seconde configuration il faut répéter les procedures si-dessus mais cette fois dans "User Define Config 2".

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3.3 Super Patch

Super Patch sert à accélérer le travail de la mémoire qui gère le flux de données entre la CPU et la mémoire système. Ça diminue considérablement le temps de retard et augmente la performance du système.

3.4 Liste de Vérification de l'Emballage

L'emballage de la carte système contient les éléments suivants:

- ☑ 1 carte système
- ☑ 2 manuel utilisateur
- ☑ 1 câble IDE ronds
- ☑ 1 câble rond floppy
- ☑ 2 câble série ATA
- ☑ 1 câble d'alimentation série ATA
- ☑ 1 bracket avec un port game/MIDI
- ☑ 1 bracket avec port IEEE 1394
- ☑ 1 sac PC Transpo
- ☑ 1 kit FrontX
  - 2 ports USB 2.0/1.1
  - 1 port IEEE 1394
  - 1 jack de sortie ligne
  - 1 jack d'entrée micro
  - 4 indicateurs diagnostiques
- ☑ 1 shield I/O
- ☑ 1 pâte silicone (composé à base du silicone)
- ☑ 1 étiquette LANPARTY
- ☑ 1 case badge
- ☑ 1 package de cavaliers (5 cavaliers 2.54mm)
- ☑ 1 disquette "Silicon Image Sil3112A RAID Drivers"
- ☑ 1 CD "Mainboard Utility"
- ☑ 1 CD "WinDVD/WinRIP Utility"

Si l'un de ces éléments n'était pas dans l'emballage ou s'il était endommagé, veuillez contacter votre revendeur ou votre représentant. Veuillez vous reporter au manuel LANPARTY pour plus d'information sur le périphérique FrontX.

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Chapter 4 - Deutsch

4.1 Leistungsmerkmale und Technische Daten

Prozessor

- Intel® Pentium® 4 Prozessor mit Hyper-Threading Technologie
  - 800MHz/533MHz Systemdatenbus
  - Unterstützt bis zu 3.2GHz+
- Intel® Pentium® 4 Northwood Prozessor
  - 533MHz/400MHz Systemdatenbus
- Intel® Celeron® Northwood Prozessor
  - 400MHz Systemdatenbus

Chipsatz

- Intel® 865PE chipsatz
  - Intel® 865PE (MCH)
  - Intel® 82801EB (ICH5)

Systemspeicher

- 4 DDR-SDRAM-DIMM- Fassungen mit 184poligem Anschlußstecker
- Unterstützt 2-Kanal (128-bit breit) Speicherschnittstellen
  - Jeder Kanal unterstützt 2 DIMM Steckplätze
- Unterstützt bis zu 4GB Systemspeicher
- Synchroner Betrieb mit dem Prozessor Systembus
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) mit 800MHz FSB CPU. Im Betrieb mit einer 800 MHz FSB CPU arbeitet DDR333-Speicher mit einer Speichertaktfrequenz von 320 MHz.
  - Verwenden Sie PC2100/PC2700 (DDR266/DDR333) Speicher mit 533MHz FSB CPU's.
  - Verwenden Sie PC2100 (DDR266) Speicher mit 400MHz FSB CPU's.
- Unterstützt ECC/non-ECC DIMM
- Unterstützt ungepufferte DIMMs

BIOS

- Kompatibilität mit Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play

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- Genie BIOS:
  - CPU/DRAM Übertaktung
  - AGP/PCI/SATA Übertaktung
  - CPU/DIMM/AGP Überspannung
- Unterstützung des sequentiellen SCSI-Ladens
- Unterstützung der DMI-2.0-Funktion
- Flash-Speicher (4Mbit)

Energomisches Design

- ACPI STR (Suspend to RAM) funktion
- Wecken bei Betätigung der PS/2 Tastatur/Maus
- Wecken bei USB-Tastatur
- Wecken bei Klingeln
- Wecken des Systems durch das Netzwerk
- RTC-Taktgeber zum Einschalten des Systems
- Wiederherstellung der Wechselstromversorgung nach einem Ausfall

System Health Monitor Funktions

- Überwachung der Temperatur des CPU/Systems sowie Warnsignal bei Überhitzung
- Überwachung der Spannungen des CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V sowie Warnsignal bei Ausfall
- Überwachung der Geschwindigkeit des CPU-Ventilators, Chassis-Ventilators und Second-Ventilators und sendet ein Warnsignal bei einem Ausfall aus
- Automatisches des Chassis-Ventilators und Second-Ventilators Ein-/Ausschalten des Ventilators
- Anzeige der Temperatur, Spannung und Geschwindigkeit des Ventilators
- Warnignal bei geöffneter Chassis
- Die Schutzfunktion des Lüfter vom Prozessor überwacht die Arbeit des Lüfter während der Auslastung des Systems
- Die Schutzfunktion des Prozessors gegen die Überhitzung

Audiomerkmale auf Platine

- 20-Bit-Stereo-Vollduplex-Codec mit unabhängiger und variabler Abtastfrequenz
- Hochwertige CD-Differential-Eingabe
- Naturgetreue Stereo-Leitungspegel-Ausgabe

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- S/PDIF-In/Aus-Schnittstelle
- 6-Kanal-Audioausgang

Merkmale des Gigabit LAN PCI auf Platine

- Benutzung des Realtek RTL8110S Gigabit LAN PCI
- Integrierte Power-Management-Funktionen
- Vollduplex-Unterstützung bei 10, 100 und 1000 Mbps
- Unterstützung der IEEE-802.3u-Auto-Negotiation
- Unterstützung des Leiters für das Management

SATA IDE/RAID Schnittstelle

- Benutzung des Silicon Image Sil3112A
- Zwei SATA (Serial ATA) Schnittstellen, die der SATA 1.0 Spezifikation (1.5Gbps interface) entsprechen
- Unterstützt RAID 0 und 1

Interface IEEE 1394

- Benutzung des VIA VT6306 PCI 1394
- Uunterstützt drei Ports 100/200/400 Mbps

PCI-Bus-Master-IDE-Controller

- Unterstützung der Festplatten ATA/33, ATA/66 und ATA/100
- Erweitertes IDE des PIO-Modus 4 (Datenübertragungsgeschwindigkeit von bis zu 14MB/Sek.)
- Verminderte CPU-Benutzung während Diskettenübertragung dank dem Bus-Master.
- Unterstützung des ATAPI CD-ROMs, LS-120 und ZIP.

Prozessor Socket

- Buchse 478

AGP (Accelerated Graphics Port)

- Unterstützt AGP 3.0 (AGP 4x und 8x) und AGP 2.0 (AGP 1x und 4x) Spezifikationen
- Unterstützt 1.5V AGP 8x (2.13GB/sek.) und AGP 4x (1066MB/sek.) Erweiterungskarten. AGP 2x und 3.3V AGP Karten werden nicht unterstützt.

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Ein-/Ausgabe-Porte an der Rückwand

- 1 Anschluß für eine PS/2-Maus
- 1 Anschluß für eine PS/2-Tastatur
- 1 serieller DB-9-Anschlüsse
- 1 DB-25-Parallelanschluß
- 4 USB 2.0/1.1-Anschlüsse
- 1 IEEE 1394-Anschlüsse
- 1 RJ45 LAN-Anschlüsse
- 2 S/PDIF RCA-Anschlüsse (S/PDIF-in und S/PDIF-out)
- 3 Audio-Anschlußbuchsen: line-out, line-in und mic-in
- 2 Audio-Anschlußbuchsen: center/bass und rear out

Ein-/Ausgabe-Steckverbinder

- 2 Anschlußfassung für 4 zusätzliche externe USB 2.0/1.1-Anschlüsse
- 2 Anschluß für 2 externe IEEE 1394 Schnittstelle
- 1 Frontaudioanschluß für die externe Ausgangsleitung und den Mikrofoneingang
- 1 Anschluß für eine externe game/MIDI Schnittstelle
- 2 interne Audioanschlüsse (CD-in und AUX-in)
- 1 S/PDIF Anschluß für die Verbindung des optischen Kabel
- 1 Anschluß für die IrDA-Schnittstelle
- 4 Serial-ATA-Anschlüsse
- 2 IDE-Anschlüsse
- 1 Floppy-Anschlüsse
- 2 Anschlußstecker für das ATX-Netzgerät
- 1 Anschlußstecker für Wecken durch LAN
- 1 Anschluß für akustische Warnsignale bei geöffneter Chassis
- CPU-, Chassis- und Second-ventilator-Anschlüsse.
- Ein Anschluß für 4 diagnostischen Außenindikatoren
- EZ Umschaltern (der Knopf der Speisung und des Auslasses)

Erweiterungssteckfasssungen

- 1 AGP-Einbauplätzen
- 5 PCI-Einbauplätzen

Kompatibilität

- Kompatibilität mit PCI 2.2 und AC'97
- Intel AGP, version 3.0

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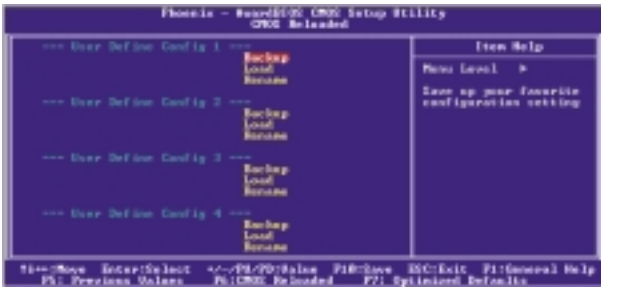
4.2 CMOS Reloaded

Die Technologie CMOS Reloaded läßt etliche Konfigurationen des Nutzers mit Hilfe von BIOS utility bewahren. Sie kann man auch gespeichert und umbenennt werden. Das ist sehr nützlich für die Overclockers, die einige verschiedene Konfigurationen bewahren und sie operativ umschalten müssen. Wählen Sie "CMOS Reloaded" im Award BIOS Hauptmenü, und drüken Sie <Enter>. Sie können bis 4 Konfigurationen im Feld "User Define Config 1" von bis zu "User Define Config 4" behalten.



Die Erhaltung der Konfiguration

Nachdem Sie alle notwendigen Installationen beendet haben, verlagern Sie den Cursor auf "Backup" in "User Define Config 1" und drücken Sie <Enter>.

Die Wiederaufbau der Konfiguration

Um die früher aufgesparten Konfigurationen wiederaufzubauen, verlagern Sie den Cursor auf "Load" in "User Define Config 1" und drücken Sie <Enter>.

Die Umbenennung der Konfiguration

Im Verschweigen wird die Erhaltung im Feld "User Define Config 1" als "Config 1". Um die Erhaltung umzubenennen, verlagern Sie den Cursor auf "Rename" und drücken Sie <Enter>. Sie können bis 16 Symbols einsetzen.

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Für die Erhaltung der zweiten Konfiguration muß man die beschriebenen Prozeduren wiederholen, aber, diesmal, im Feld "User Define Config 2".

4.3 Super Patch

Die Technologie Super Patch bestimmt für die Beschleunigung der Speicherarbeit, die den Datenfluß zwischen dem zentralen Prozessor und dem Systemspeicher verarbeitet. Das verringert die Zeit der Verzögerung in bedeutendem Maße und verbessert die Schnellwirkung des Systems.

4.4 Verpackungsliste

In der Verpackung der Systemplatine sind folgende Artikel enthalten:

- ☑ 1 Systemplatine
- ☑ 2 Benutzerhandbuch
- ☑ 1 runde IDE-Kabel
- ☑ 1 runde Floppy-Kabel
- ☑ 2 serial-ATA-Kabel
- ☑ 1 serial-ATA-Energiekabel-Kabel
- ☑ 1 Bracket mit einem Game/MIDI Port
- ☑ 1 Bracket mit einem IEEE 1394 Port
- ☑ Ein PC Transpo-Satz
- ☑ Eine FrontX-Einrichtung
  - Zwei USB 2.0/1.1 Porte, 1 IEEE 1394 Porte, Ein Stecker vom Linienausgang, Ein Stecker vom Mikrofon und 4 diagnostischen Außenindikatoren
- ☑ Eine I/O-Schutzlatte
- ☑ Eine Silikonpaste (das Silikon als die Basis)
- ☑ Ein LANPARTY-Klebezettel
- ☑ Ein Abzeichen für das Gehäuse
- ☑ Ein Satz des Jumperses (fünf 2.54mm Jumpers)
- ☑ 1 Diskette "Silicon Image Sil3112A RAID Drivers"
- ☑ 1 CD mit "Mainboard Utility"
- ☑ Eine CD "WinDVD/WinRIP Utility"

Fehlt einer dieser Artikel oder weist einer dieser Artikel Beschädigungen auf, wenden Sie sich an Ihren Händler oder Vertreter. Nach genauerer Information über die Einrichtung von FrontX schauen Sie die LANPARTY-Anleitung.

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Chapter 5 - Español

5.1 Características y Especificaciones

Procesador

- Procesador Pentium® 4 de Intel® con la Tecnología Hiper-Enhebramiento
  - 800MHz/533MHz canal de datos del sistema
  - Se soporta 3.2GHz+
- Procesador Intel® Pentium® 4 Northwood
  - 533MHz/400MHz canal de datos del sistema
- Procesador Intel® Celeron® Northwood
  - 400MHz canal de datos del sistema

Chipset

- Intel® 865PE chipset
  - Intel® 865PE (MCH)
  - Intel® 82801EB (ICH5)

Memoria de Sistema

- 4 zocalos 184-pin DDR SDRAM DIMM
- Se soporta el interfaz de dos canales (128-bites)
  - Cada canal se soporta por 2 eslots DIMM
- Se soporta 4GB de la memoria
- La operacion sincronica ñon el bus del sistema del procesador
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) ñon el procesador en el bus de 800MHz. DDR333 va a funcionar en la frecuencia de 320MHz usando el procesador con el bus 800MHz.
  - Use Ud. PC2100/PC2700 (DDR266/DDR333) ñon el procesador en el bus de 533MHz
  - Uså PC2100 (DDR266) con procesador en el bus de 400MHz
- Soporta la memoria ECC/non-ECC DIMM
- Soporta modulos inseparados DIMM

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BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Enchufar y Usar compatible
- Genie BIOS:
  - El impulso del procesador/DRAM
  - El impulso AGP/PCI/SATA
  - La instalacion de la tension del procesador/DIMM/AGP
- Soporta el incio de secuencia de SCSI
- Soporta la función de DMI 2.0
- Memoria Instante (4Mbitios)

Diseño Energia Eficiente

- ACPI STR (Suspend to RAM) función
- PS/2 Teclado/Ratón de Wake-On
- Teclado de Wake-On-USB
- Wake-On-Ring
- Wake-On-LAN
- Temporizador de RTC para encender el sistema
- Recuperación de Fracaso de Energía AC

Funciones de Monitor de Salud del Sistema

- Monitores de los CPU/sistema temperaturas y alarma acalorada.
- Monitores de voltajes de CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V y alarma de fracaso.
- Vigila la velocidad del abanico del abanido del CPU, abanido del chassis y abanico de second; y alarma de fracaso.
- Control abanido del chassis y abanico de second encendido/ apagado del abanico automático.
- Capacidad de Leer hacia atrás que presenta la temperatura, voltaje y velocidad de abanico.
- Alarma de chasis abierto
- La Función de la Protección del Ventilador del Procesador controla el ventilador durante la carga del sistema
- La Función de la Protección del Procesador de Recalentamiento controla la temperatura del procesador durante la carga del sistema

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Características de Audio En Tablero

- Codec dúplex completo estéreo de 20-bit con independiente frecuencia de muestreo variable
- Alta calidad de entrada de CD diferencial
- Auténtico salidas de nivel de línea estéreo
- Interfáz de S/PDIF-in/out
- Output auricular de 6-canal

Características de Gigabit LAN PCI Interno

- Utiliza el rápido controlador Realtek RTL8110S Gigabit LAN
- Funciones de administración de energía integrado
- Soporte dúplex completo en ambos 10, 100 y 1000 Mbps
- Soporta auto negociación de IEEE 802.3u
- Soporta alambre para la administración

El Inerfaz SATA IDE/RAID

- Silicon Image Sil3112A controlador
- Dos interfaces SATA (Serial ATA) son obedientes con la especificacion SATA 1.0 (el interfaz 1.5Gbps)
- Se soporta RAID 0 y 1

Interface IEEE 1394

- VIA VT6306 PCI 1394 controlador
- Soporta tres ports 100/200/400 Má/sec

Controlador de IDE Maestro de Bus PCI

- Soporta las unidades duras de ATA/33, ATA/66 y ATA/100
- PIO Modo 4 Realzada IDE (tasa de transferencia de dato hasta 14MB/seg.)
- Controlación de Bus reduce la utilización de CPU durante la trasferencia de disco
- Soporta ATAPI CD-ROM, LS-120 y ZIP

Procesador Zócalo

- Zócalo 478

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AGP (Accelerated Graphics Port)

- Soporta especificaciones AGP 3.0 y AGP 2.0
- Soporta placas 1.5V AGP 8x (2.13Gb/seg.) è AGP 4x (1066Mb/seg.). Tarjetas AGP, AGP 2x y 3.3V no se soportan.

Panel de reverso de conectores de entrada - Salida

- 1 puerto de ratón PS/2
- 1 puerto de teclado PS/2
- 1 puerto de serie DB-9
- 1 puerto paralelo de DB-25
- 4 puertos de USB 2.0/1.1
- 1 puerto de IEEE 1394
- 1 puerto de RJ45 LAN
- 2 enchufes de S/PDIF RCA (S/PDIF-in y S/PDIF-out)
- 3 enchufes de audio: line-out, line-in y mic-in
- 2 enchufes de audio: center/bass y rear out

I/O Conectores

- 2 conectores para 4 puertos de USB 2.0/1.1 externo adicional
- 2 conectores para 2 puertos de IEEE 1394 externa
- 1 conectador audio delantero para la salida extrema de linea y el micro
- 1 conector para un puerto de game/MIDI externa
- 2 conectores de CD-in y AUX-in audio interno
- 1 S/PDIF mortaja para conección de cable óptico
- 1 conector para interfaz de IrDA
- 4 conectores de Serial ATA
- 2 conectores de IDE
- 1 conector de disquete
- 2 conectores de fuente de alimentación de ATX
- 1 conector de Wake-On-LAN
- 1 conector de alarma de chasis abierto
- 3 conectores de abanicos de CPU, chasis y second
- Una mortaja para 4 indicadores diagnósticos externos
- EZ conmutadores (conmutadores de alimentación y reset)

Ranuras de Expansión

- 1 slot AGP
- 5 slots PCI

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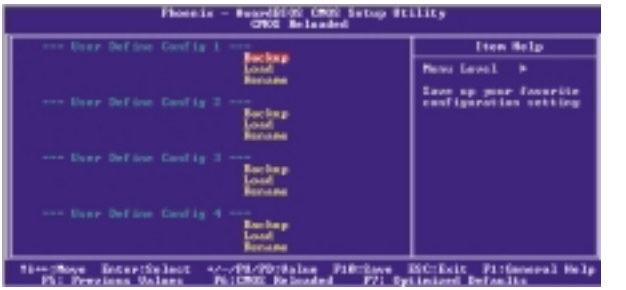
Compatibilidad

- Sumisión de PCI 2.2 y AC'97
- Versión 3.0 de Intel AGP

5.2 CMOS Reloaded

La tecnología CMOS Reloaded permite conservar unos configuraciones de usuario con ayuda de utilita BIOS y también cargarlas y cambiarlas de nombre. Es extremadamente necesario para overclokers quienes necesitan conservar diferentes configuraciones y pasar entre ellas operativamente. Opte CMOS Reloaded en menú principal de Award BIOS y aprete <Enter>. Vd puede conservar hasta 4 configuraciones – en los campos "User Define Config 1" hasta "User Define Config 4".



Conservación de Configuración
Después de realizar todos instalaciones necesarias mueva el cursor al "Backup" en "User Define Config 1" y aprete <Enter>.

Reconstitución de Configuración
Para reconstituir las configuraciónes conservadas antes mueva el cursor al "Load" en "User Define Config 1" y aprete <Enter>.

Cambio de nombre de Configuración
Configuraciones conservadas se nombran automáticamente "Config 1" en el campo "User Define Config 1". Para cambiar de nombre la configuración mueva el cursor al "Rename" y aprete <Enter>. Vd puede entrar hasta 16 símbolos. Para conservar otra configuración repita los procedimientos descritos antes, pero en el campo "User Define Config 2".

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5.3 Super Patch

La tecnología Super Patch está predestinada para activar el trabajo de la memoria que procesa torrente de los datos entre el procesador central y la memoria sistémica. Esta permite reducir considerablemente el plazo de demora y mejorar velocidad del sistema.

5.4 Lista de Chequeo del Paquete

El paquete del tablero de sistema contiene los siguientes artículos:

- ☑ 1 tablero de sistema
- ☑ 2 manual de usuario
- ☑ 1 cable de flojo para IDE
- ☑ 1 cable de flojo para el disquette
- ☑ 2 cable serial ATA
- ☑ 1 cable de alimentacion serial ATA
- ☑ 1 placa con 1 puerto game/MIDI
- ☑ 1 placa con 1 puerto IEEE 1394
- ☑ Un juego PC Transpo
- ☑ Un dispositivo FrontX
  - Dos USB 2.0/1.1 portes
  - 1 IEEE 1394 porte
  - Una mortaja de line-out
  - Una mortaja de mic-in
  - 4 indicadores diagnósticos
- ☑ Una chapa protectora I/O
- ☑ Una pasta de silicón (compuesto silicón-basado)
- ☑ Una pegatina LANPARTY
- ☑ Una insignia en caja
- ☑ Un paquete de jumper caps (cinco 2.54mm jumper caps)
- ☑ 1 disquette flojo “Silicon Image Sil3112A RAID Drivers”
- ☑ 1 CD de “Mainboard Utility”
- ☑ Un CD “WinDVD/WinRIP Utility”

Si cualquieres de estos artículos están perdidos o dañados, favor de ponerse en contacto con su tratante o representantes de venta para la asistencia. Para información mas detallada de dispositivo FrontX refiérase al manual LANPARTY.

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Ãëàâà 6 - Ðóññêèé ÿçûê

6.1 Õàðàêòåðèñòèêè è ñâîéñòâà

Ïðîöåññîð
- Ïðîöåññîð Intel® Pentium® 4 ñ òåõíîëîãèåé Hyper-Threading
  - 800MHz/533MHz ñèñòåìíàÿ øèíà
  - Ï îääåðæèâàåò 3.2GHz+
- Ïðîöåññîð Intel® Pentium® 4 Northwood
  - 533MHz/400MHz ñèñòåìíàÿ øèíà
- Ïðîöåññîð Intel® Celeron® Northwood
  - 400MHz ñèñòåìíàÿ øèíà

×èïñåò
- Intel® 865PE chipset
  - Intel® 865PE (MCH)
  - Intel® 82801EB (ICH5)

Îïåðàòèâíàÿ Ïàìÿòü
- 4 184-pin DDR SDRAM DIMM
- Ï îääåðæèâàåò äâóõêàíàëüíûé (128-áèòíûé) èíòåðôåéñ
  - Êàæäûé êàíàë ï îääåðæèâàåò 2 DIMM ñëîòà
- Ï îääåðæèâàåò 4Ãá î ïåðàòèâíîé ïàìÿòè
- Ñèíõðîííàÿ îïåðàöèÿ ñ ñèñòåìíîé øèíîé ïðîöåññîðà
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) ñ ïðîöåññîðîì íà øèíå 800MÃö. DDR333 áóäåò ðàáîòàòü íà ÷àñòîòå 320MÃö ïðè èñïîëüçîâàíèè ïðîöåññîðà íà øèíå 800MÃö.
  - Èñïîëüçóéòå PC2100/PC2700 (DDR266/DDR333) ñ ïðîöåññîðîì íà øèíå 533MÃö
  - Èñïîëüçóéòå PC2100 (DDR266) ñ ïðîöåññîðîì íà øèíå 400MÃö
- Ï îääåðæèâàåò ïàìÿòü ECC/non-ECC DIMM
- Ï îääåðæèâàåò íåáóô îåð. ì îäóëè DIMM

BIOS
- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play

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- Genie BIOS:
  - Ðàçåîí Ïðîöåññîðà/DRAM
  - Ðàçåîí AGP/PCI/SATA
  - Óñòàíîâêà íàïðÿæåíèÿ Ïðîöåññîðà/DIMM/AGP
- Ïîääåðæèâàåò çàãðóçêó SCSI
- Ïîääåðæèâàåò ôóíêöèþ DMI 2.0
- 4Mbit Flash Ïàìÿòü

Ýíåðãîñ÷ôûé Äèçàéí

- ACPI STR (Suspend to RAM)
- Àêòèâèçàöèÿ Íà Äâèæåíèå Ìûøè
- Àêòèâèçàöèÿ Íà Íàæàòèå Êíîïêè USB Êëàâèàòóðû
- Àêòèâèçàöèÿ Íà Âõîäÿùèé Çâîíîê
- Àêòèâèçàöèÿ Íà Ñåòåâîå Ñîáûòèå
- RTC Òàéìåð äëÿ Âêëþ÷åíèÿ Ñèñòåìû
- Ñêà÷êè Íàïðÿæåíèÿ

Ôóíêöèè Ìîíèòîðèíãà Ñîñòîÿíèÿ Ñèñòåìû

- Ìîíèòîðèíã òåìïåðàòóðû ïðîöåññîðà/ñèñòåìû
- Ìîíèòîðèíã íàïðÿæåíèé CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V
- Ìîíèòîðèíã ñêîðîñòè âðàùåíèÿ âåíòèëÿòîðà CPU/chassis/second
- Àâòîìàòè÷åñêîå óïðàâëåíèå chassis/second âåíòèëÿòîðà ñèñòåìû
- Îòîáðàæåíèå òåìïåðàòóðû, íàïðÿæåíèÿ è ñêîðîñòè ðàáîòû âåíòèëÿòîðà
- Ñèãíàëèçàöèÿ îêðûòîãî êîðïóñà
- Ôóíêöèÿ Çàùèòû Âåíòèëÿòîðà Ïðîöåññîðà ñëåäèò çà ðàáîòîé âåíòèëÿòîðà â âèäå ìÿ çàãóçêè ñèñòåìû
- Ôóíêöèÿ Çàùèòû Ïðîöåññîðà îò Ïåðåãðåâà îòñëåæèâàåò òåìïåðàòóðó ïðîöåññîðà â âèäå ìÿ çàãóçêè ñèñòåìû

Âñòðîåííûé Çâóê

- Ïîëíîäóïëåêñíûé 20-áèòíûé ñòåðåî êîäåê ñ íåçàâèñèìûì èçìåíåíèåì ÷àñòîòû ñæàòèÿ
- Âûñîêîêà÷åñòâåííûé äèôôåðåíöèàëüíûé CD âõîä
- Íàñòîÿùèé ëèíåéíûé ñòåðåî âûõîä
- èíòåðôåéñà S/PDIF-in è S/PDIF-out
- 6-è êàíàëüíûé çâóêîâîé âûõîä

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Âñòðîåííûå ñåòåâûå óñòðîéñòâà
- Áûñòðûé êîíòðîëëåð Realtek RTL8110S Gigabit LAN PCI
- Âñòðîåííûå óñòðîéñòâà óïðàâëåíèÿ ïèòàíèåì
- Ïîääåðæêà íà 10, 100 è 1000 Mbps
- Ïîääåðæêà IEEE 802.3u auto-negotiation
- Ðàáîòà ÷åðåç øíóð óïðàâëåíèÿ

Èíòåðôåéñ SATA IDE/RAID
- Silicon Image Sil3112A
- Äâà èíòåðôåéñà SATA (Serial ATA) ñîâìåñòèìû ñî ñïåöèôèêàöèåé SATA 1.0 (èíòåðôåéñ 1.5Gbps)
- Ïîääåðæêà RAID 0 è 1

Èíòåðôåéñ IEEE 1394
- VIA VT6306 PCI 1394
- Ïîääåðæêà òðè ïîðòà 100/200/400 Má/ñåê

Êîíòðîëëåð PCI IDE Ìàñòåð Øèíû
- Ïîääåðæêà æåñòêèå äèñêè ATA/33, ATA/66 è ATA/100
- PIO Mode 4 ÐàñøèðåííûéIDE (ñêîðîñòü ïåðåäà÷è äàííûõ äî 14 ÌÁ/ñåê.)
- Ìàñòåðíã øèíû ñíèæàåò íàãðóçêó íà öåíòðàëüíûé ïðîöåññîð
- Ïîääåðæêà ATAPI CD-ROM, LS-120 è ZIP

×èïñåò Socket
- Socket 478

AGP (Accelerated Graphics Port)
- Ïîääåðæêà ñïåöèôèêàöèè AGP 3.0 (AGP 4x è 8x) è AGP 2.0 (AGP 1x è 4x)
- Ïîääåðæêà êàðòû 1.5V AGP 8x (2.13Ãá/ñåê.) è AGP 4x (1066Má/ñåê.). AGP êàðòû AGP 2x è 3.3V íå ïîääåðæèâàþòñÿ.

Ïîðòû Ââîäà/Âûâîäà (I/O) çàäíåé ïàíåëè
- 1 PS/2 ïîðò äëÿ ìûøè è 1 PS/2 ïîðò äëÿ êëàâèàòóðû
- 1 âíåøíåãî DB-9 ïîðòà
- 1 âíåøíåãî DB-25 ïàðàëëåëüíûé ïîðò
- 4 USB 2.0/1.1 ïîðòà

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- 1 IEEE 1394 ïîðò è 1 RJ45 LAN ïîðò
- 2 S/PDIF RCA çâóêà (S/PDIF-in è S/PDIF-out)
- 3 ãíåçäà äëÿ çâóêà: âûõîä, âõîä è ìèêðîôîí
- 2 ãíåçäà äëÿ çâóêà: center/bass è rear out

Ðàçúåìû Ââîäà/Âûâîäà

- 2 ðàçúåìà äëÿ 4-õ äîïîëíèòåëüíûõ âíåøíèõ USB 2.0/1.1 ïîðòîâ
- 2 ðàçúåìà äëÿ âíåøíåãî IEEE 1394 ïîðòà
- 1 ïåðåäíèé àóäèî ðàçúåì äëÿ âíåøíåãî ëèíåéíîãî âûõîäà è ìèêðîôîíà
- 1 ðàçúåì äëÿ âíåøíåãî game/MIDI ïîðòà
- 2 âíóòðåííèõ çâóêîâûõ ðàçúåìà (CD-in è AUX-in)
- 1 S/PDIF ðàçúåì äëÿ ïðèñîåäèíåíèÿ îïòè÷åñêîãî êàáåëÿ
- 1 ðàçúåì äëÿ èíòåðôåéñà IrDA
- 4 Serial ATA ðàçúåìà
- 2 IDE ðàçúåìà è 1 Floppy ðàçúåì
- 2 ðàçúåìà ïèòàíèÿ ATX
- 1 Wake-On-LAN (Àêòèâèçàöèÿ íà ñåòåâîå ñîáûòèå)
- 1 Ñèãíàëèçàöèÿ îòêðûòîãî êîðïóñà ðàçúåìà
- Ðàçúåìû äëÿ âåíòèëÿòîðà ïðîöåññîðà, ñèñòåìíîãî âåíòèëÿòîðà è êîðïóñà
- Îäèí ðàçúåì äëÿ 4-õ âíåøíèõ äèñêîâîä÷åñêèõ èíäèêàòîðîâ
- EZ ïåðåêëþ÷àòåëè (êíîïêà ïèòàíèÿ è ñáðîñà)

Ñëîòû

- 1 AGP ñëîòîâ è 5 PCI ñëîòîâ

Ñîâìåñòèìîñòü

- PCI 2.2 è AC '97 è Intel AGP âåðñèè 3.0

6.2 CMOS Reloaded

Òåõíîëîãèÿ CMOS Reloaded ïîçâîëÿåò ñîõðàíÿòü íåñêîëüêî êîíôèãóðàöèé ïîëüçîâàòåëÿ ñ ïîìîùüþ óòèëèòû BIOS, à òàêæå çàãðóæàòü è ïåðåìåíâûâàòü èõ. Ýòî êðàéíå ïîëåçíî âåðñèÿì, êîòîðûì òðåáóåòñÿ ñîõðàíÿòü íåñêîëüêî ðàçíîãðóçîê è îïåðàòèâíî ìåíÿòü íåìåäëåííî ìåæäó íèì. Âûáåðèòå CMOS Reloaded â ãëàâíîì ìåíþ Award

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BIOS è íàæìèòå <Enter>. Âû ìîæåòå ñîõðàíèòü äî 4 êîíôèãóðàöèé – â ïîëå “User Define Config 1” äî “User Define Config 4”.

Ñîõðàíåíèå Êîíôèãóðàöèè

Ïîñëå òîãî, êàê âû çàâåðøèëè âñå íåîáõîäèìûå óñòàíîâêè, ïåðåìåñòèòå êóðñîð íà “Backup” â “User Define Config 1” è íàæìèòå <Enter>.

Âîññòàíîâëåíèå Êîíôèãóðàöèè

×òîáû âîññòàíîâèòü ðàíåå ñîõðàíåííûå êîíôèãóðàöèè, ïåðåìåñòèòå êóðñîð íà “Load” â “User Define Config 1” è íàæìèòå <Enter>.

Ïåðåèìåíîâàíèå Êîíôèãóðàöèè

Ïî óìîë÷àíèþ, ñîõðàíåíèþ â ïîëå “User Define Config 1” äàåòñÿ èìÿ “Config 1”. ×òîáû ïåðåèìåíîâàòü ñîõðàíåíèå, ïåðåìåñòèòå êóðñîð íà “Rename” è íàæìèòå <Enter>. Âû ìîæåòå ââåñòè äî 16 ñèìâîëîâ. Äëÿ ñîõðàíåíèÿ âòîðîé êîíôèãóðàöèè ñëåäóåò ïîâòîðèòü îïèñàííûå ïðîöåäóðû, íî, íà ýòîò ðàç, â ïîëå “User Define Config 2”.

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6.3 Super Patch

Òåõíîëîãèÿ Super Patch ïðåäíàçíà÷åíà äëÿ óñêîðåíèÿ ðàáîòû ïàìÿòè, îáðàáàòûâàþùåé ïîòîê äàííûõ ìåæäó öåíòðàëüíûì ïðîöåññîðîì è ñèñòåìíîé ïàìÿòüþ. Ýòî çíà÷èòåëüíî ñîêðàùàåò âðåìÿ çàäåðæêè è óëó÷øàåò áûñòðîäåéñòâèå ñèñòåìû.

6.4 Êîìïëåêòàöèÿ

Êîìïëåêòàöèÿ ïîñòàâêè ìàòåðèíñêîé ïëàòû:

- ☑ Ìàòåðèíñêàÿ ïëàòà
- ☑ Ðóêîâîäñòâî ïîëüçîâàòåëÿ
- ☑ Îäèí IDE øëåéô äëÿ IDE
- ☑ Îäèí øëåéô äëÿ ôëîïè äiñêà
- ☑ Äâà øëåéô Serial ATA
- ☑ Îäèí øëåéô øíóðîì ïèòàíèÿ Serial ATA
- ☑ Çàäíÿÿ ïëàíêà ñ game/MIDI ïîðòà
- ☑ Çàäíÿÿ ïëàíêà ñ IEEE 1394 ïîðòà
- ☑ Îäèí íàáîð PC Transpo
- ☑ Îäíî óñòðîéñòâî FrontX
  - Äâà USB 2.0/1.1 ïîðòà, Îäíî IEEE 1394 ïîðòà, Îäèí ðàçúåì ëèíåéíîãî âûõîäà, Îäèí ðàçúåì ìèêðîôîíà è 4-õ âíåøíèõ äèàãíîñòè÷åñêèõ èíäèêàòîðîâ
- ☑ Îäíà çàùèòíàÿ ïëàíêà I/O
- ☑ Îäíà ñèëèêîíîâàÿ ïàñòà (íà îñíîâå ñèëèêîíà)
- ☑ Îäíà íàêëåéêà LANPARTY
- ☑ Îäèí çíà÷îê íà êîðïóñ
- ☑ Îäíà óïàêîâêà äæàìïåðîâ (ïÿòü 2.54mm äæàìïåðîâ)
- ☑ Îäíà äiñêåòà “Silicon Image Sil3112A RAID Drivers”
- ☑ Îäèí CD ñ “Mainboard Utility”
- ☑ Îäèí CD äiñê “WinDVD/WinRIP Utility”

Åñëè â êîìïëåêòå èç ýòîãî ÷åãî-òî íå õâàòàåò èëè ÷òî-òî èñïîðchåíî, ïîæàëóéñòà, ñâÿæèòåñü ñî ñâîèì äèëåðîì èëè ïðîäàâöîì.Çà áîëåå ïîäðîáíîé èíôîðìàöèåé îá óñòðîéñòâå FrontX îáðàòèòåñü ê ðóêîâîäñòâó LANPARTY.

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